7-19-05

Ifw Ap

PTO/SB/21 (04-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM			Application Number	10/801,9	10/801,927		
			Filing Date	March 16	6, 2004		
_			First Named Inventor	Akiyoshi	AOYAGI		
(to be used for all correspondence after initial filing)			Art Unit	2822			
			Examiner Name	Kiesha L	. Rose		
Total Number of Pages	s in This Submission		Attorney Docket Number	9319S-0	000669		
		ENCLO	SURES (check all that apply)				
Fee Transmittal F	Form	☐ Drawing		_	Allowance Communication to nology Center (TC)		
Fee Attached		Licensi	ng-related Papers		al Communication to Board of als and Interferences		
Amendment / Rep	oly	Petition			Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
After Final		_	to Convert to a onal Application	☐ Propri	etary Information		
Affidavits/dec	laration(s)		of Attorney, Revocation e of Correspondence Address	Status	Letter		
Extension of Time	e Request	Termina	al Disclaimer	Other Enclosure(s) (please identify below):			
Express Abandonment Request			quest for Refund Form 1449; Acknowledg Postcard , Number of CD(s)				
Information Disclo	osure Statement						
Certified Copy of Priority Document(s)			fees that may be requ	ired under 3	orized to charge any additional 7 CFR 1.16 or 1.17 to Deposit D). A duplicate copy of this		
Response to Miss Incomplete Applic			Sheet is enclosed.				
Response to I Parts under 3 1.52 or 1.53							
	SIGNAT	URE OF A	APPLICANT, ATTORNEY, O	R AGENT			
Firm or Individual name Harness, Dickey & Pierc			C. Attorney Name G. Gregory Schivley Bryant E. Wade Reg. No. 27,382 40,344		7,382		
Signature	Sold	ha	all.	·			
Date	July 28, 2005						
CERTIFICATE OF TRANSMISSION/MAILING							
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.							
Typed or printed name	e G. Gregory Sc	hivley Brya		Express Mail Label No.	EV 570 164 659 US		

This collection of information is required to 57 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

5. Leola

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Date

July 28, 2005

PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITT for FY 2005 Effective 10/01/2004. Patent fees are subject to annua

ğ]		Complete if Known			
7	FEE TRANSMITTAL	Application Number	10/801,927		
	for FY 2005	Filing Date	March 16, 2004		
	Effective 10/01/2004. Patent fees are subject to annual revision.	First Named Inventor	Akiyoshi AOYAGI		
_		Examiner Name	Kiesha L. Rose		
Applicant claims small entity status. See 37 CFR 1.27		Art Unit	2822		

TOTAL AMOUNT OF PAYMENT (\$) 180					Attorney Docket No. 9319S-000669					
ME	THOD OF PAYMENT (cl	heck all that apr	oly)				FEE C	ALCULATION (co	ontinued)	
	redit card				DITIOI e Entity	NAL FE				
Deposit Accour				Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee De	escription	Fee Paid
Deposit				1051	130	2051	65	Surcharge - late	e filing fee or oath	
Account Number	50-3213			1052	50	2052	25	-	e provisional filing fee	
				1053	130	1053	130	Non-English spe	ecification	
Deposit Account	Epson R & D			1812	2,520	1812	2,520		est for reexamination	
Name				1804	920*	1804	920*		olication of SIR prior to	
Charge fee(s) in	uthorized to: (check all ndicated below 🔯 Cre	edit any overpay	yments	1805	1,840*	1805	1,840*		lication of SIR after	
Charge any add	ditional fee(s) during the	e pendency of t	this application	1251	120	2251	60		ply within first month	\vdash
	ndicated below, except ified deposit account.	for the filing i	lee	1252	450	2252	225	-	ply within second	
TO THE ADDVO ICC	FEE CALCULA	TION		┨	!			month		
<u> </u>		,TION		1253	1020	2253	510	Extension for re-	ply within third month	
1 !	LING FEE			1254	1,590	2254	795	Extension for rep	eply within fourth	
	Small Entity			1255	2,160	2255	1080	_	ply within fifth month	
	ee Fee <u>Fee Des</u> ode (\$)	scription	Fee Paid	1401	500	2401	250	Notice of Appea		├ ──┤
	011 150 Utility fili	ling fee	100.0.0	1402	500	2401	250		support of an appeal	
	012 100 Design f	-		1403	1000	2402	500	Request for oral		
	012 100 Besign i 013 100 Plant filir	•		1452	500	2452	250	Petition to revive	-	├
		filing fee		1453	1500	2453	750		e – unintentional	\vdash
		onal filling fee		1501	1400	2501	700	Utility issue fee (
1	.00	- Kar him g	L	1502	800	2502	400	Design issue fee	•	
i	SUBTOTAL (1)		(\$) 0	1460	130	1460	130	Petitions to the		
A EVERACIAL	*** CCCO FOR UTIL			1807	50	1807	50		under 37 CFR 1.17 (q)	\
2. EXIMA GLAI	IM FEES FOR UTILI Extra	Fee from	ı Fee	1806	180	1806	180	Submission of Ir	nformation Disclosure	180
L	Claims		Paid			l		Strnt Bacarding each	· · · · · · · · · · · · · · · · · · ·	
Total Claims	-3** = 0 0		= 0	8021	40	8021	40	per property (time properties)	n patent assignment mes number of	
Claims Multiple						2809	395	Filing a submiss	sion after final rejection	,
Dependent		<u> </u>	= 0	1810	790	2810	395		onal invention to be	\vdash
Large Entity	Small Entity			1801	790	2801	395	examined (37 Cl	FR § 1.129(b)) tinued Examination	<u> </u>
Fee Fee Code (\$)	Fee Fee Code (\$) <u>Fee</u>	<u>Description</u>		,	, l	200.	333	(RCE)	Aueu Exertinación	
1202 50		ims in excess of		Other fo	ee (specit	fy)				
1201 200		ependent claims		*Redu	ced by E	Basic Filir	ng Fee	Paid SUBT	OTAL (3) (\$)180	<u></u>
1203 360		ltiple dependent o			-		-	ON FEES	.,	
1204 200		Reissue independ	dent claims over	1111	500	2111	250	Utility Search Fe	20	
	** D	ginal patent Reissue claims in	n excess of 20 and	1112	100	2112		Design Search F		
1205 50	2205 25 over	reissue ciaims in er original patent	OXCOSS UI 20 and	1113	300	2113	150	Plant Search Fe		+
İ				1114	500	2114	250	Reissue Search		+
	SUBTOTA	AL (2) (\$) 0	Ī	1311	200	2311	100	Utility Examination		
		<u> </u>		1312	130	2312	65	Design Examina		
				1313	160	2313	80	Plant Examination		
l				1314	600	2314	300	Reissue Examin		\vdash
**or number previou	**or number previously paid, if greater; For Reissues, see above								BTOTAL (4) (\$)0	┸
SUBMITTED BY								Com	nplete (if applicable)	$\overline{}$
	G. Gregory Schivle	∍y	De-intration No.		273	382	$\neg \top$		Here (II approved,	
Name (Print/Type)	Bryant E. Warts	-11	Registration No. (Attorney/Agent)	40344 Telephone (248) 641-1600						
			1/2 10				_			

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mation No.:

10/801,927

Filing Date:

March 16, 2004

Applicant:

Akiyoshi AOYAGI

Group Art Unit:

2822

Examiner:

Kiesha L. Rose

Title:

SEMICONDUCTOR DEVICE, ELECTRONIC DEVICE,

ELECTRONIC APPARATUS, METHOD OF

MANUFACTURING SEMICONDUCTOR DEVICE, AND METHOD OF MANUFACTURING ELECTRONIC DEVICE

Attorney Docket:

9319S-000669

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. <u>COPIES</u>

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

	1449 or on the copies of previously cited by or	PTO-892, but which submitted to the	ormation which are listed on Form the are not enclosed herewith, were PTO in one of the following for an earlier filing date under 35
	U.S. Serial Num	<u>ıber</u>	U.S. Filing Date
	United States. A copy of Examiner's information. report are listed on the a and for listing on any pat Search report was from these references should	of the International The documents of tached Form 1449 tent resulting from the US, EPO, or have been supplied	ntry of the National Phase in the Search Report is attached for the listed on the International Search for consideration by the Examiner his application. If the International JPO search authorities, copies of to the USPTO under the trilateral of the above-identified application.
III.	CONCISE EXPLANATION	N OF THE RELEV	ANCE (check at least one box)
			(B), all of the patents, publications anguage (concise explanation not
	•		nce of each patent, publication or nglish language is as follows (see
	1. ☐ See the attacounterpart foreig	• •	ent office communication from a
	2. English trar Form HDP-1499.	nslations are provid	led: as indicated on the attached
	3. Other:		
	C. The following ad consideration.	ditional information	n is provided for the Examiner's
IV.	CROSS REFERENCE T	O RELATED APPL	ICATION(S)
	contain(s) subject matte bringing this(these) app	r that may be relatelication(s) to the	ollowing co-pending application(s) ted to the present application. By Examiner's attention, Applicant(s) sions of 35 U.S.C. § 122.
	Serial No.	Filing Date	Art Unit

' .	THIS IDS IS BEING FILED UNDER
	A.
	1. Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
	2. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
	3. Defore the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
	4. Defore the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
	B. 37 C.F.R. § 1.97(c): (check <u>only</u> one box)
,	before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
	1. \boxtimes No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
	2. See the certification below. No fee is required.
	C. 37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
Ί.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A. — each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application

not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or B. no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)). C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS. STATEMENT UNDER 37 C.F.R. 1.704(d) The undersigned hereby states that: l each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS. PAYMENT OF FEES (check only one box) A. A check in the amount of \$180.00 is enclosed for the above identified fee. B. Please charge Deposit Account No. 50-3213 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached. The above references are being cited only in the interest of candor and

without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-3213.

VII.

VIII.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 50-3213.

Respectfully submitted,

Dated: <u>July 28, 2005</u>

Gregory Schivley

Reg. No. 27,382 Bryant E. Wade Reg. No. 40,344

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

GGS/BEW/jmz



FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.	SERIAL NO.		
9319S-000669	10/801,927		
APPLICANT			
Akiyoshi AOYAGI			
FILING DATE	GROUP		
March 16, 2004	2822		

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		6,882,232	4/2005	Harima, Hidenori		
2.		6,774,467	8/2004	Horiuchi, et al.		
3.		6,586,832	7/2003	Shibata, et al.		
. 4.		6,507,098	1/2003	Lo, et al.		
5.	,	6,461,881	10/2002	Farnworth, et al.		
• 6.		6,442,026	8/2002	Yamaoka, Yoji		
7.		6,404,049	6/2002	Shibamoto, et al.		
8.		2002/0079568	6/2002	Degani, et al.		
9.		6,369,444	4/2002	Degani, et al.		
10.		2001/0015488	8/2001	Akram, et al.		
11.		6,239,383	5/2001	Lin, Patrick		
12.		6,122,171	9/2000	Akram, et al.		·
13.		5,973,392	10/1999	Senba, et al.		
14.		5,834,848	11/1998	Iwasaki, Ken		
15.		5,120,678	6/1992	Moore, et al.		
16.						
17.						

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translat	ion *
1.							

Examiner:	Date Considered: